

Technical Exhibits

| | |
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TECHNICAL EXHIBIT 2
WORKLOAD ESTIMATE
AVON PARK AIR FORCE RANGE

REGULAR HOURS OF OPERATIONS:

1. Operate air-to-ground gunnery range and airfield operations 77.5 hours per 5-day week
2. Maintain equipment in Technical Exhibit 5
3. Maintain 2 strafe targets and strafe pits
4. Estimated regular call out operations and maintenance hours of 964 hours per year
5. Estimated Special Operations call out hours of 751 hours per year

**TECHNICAL EXHIBIT 2
WORKLOAD ESTIMATE
BELLE FOURCHE ECR (COLONY, WY)**

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workloads may vary in accordance with Air Combat Command's training requirements and Electronic Combat Range Sites. The quantities of output to be furnished by the contractor as stated herein are estimates and such are subjects to variations.

1.1 OPERATIONS

1.1.1 Routine Operations

Hours of operation are at least one hour prior to the published vulnerability period through the close of the vulnerability period for each day, Monday through Friday and excluding federal holidays. The vulnerability will be a 12-hour window and start time may slide from quarter to quarter.

1.1.2 Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instructions. The site is susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under appropriate CLIN.

2. BELLE FOURCHE

2.1 FACILITIES

| | |
|--------------|----------|
| Ops Building | 9,278 SF |
|--------------|----------|

2.1.1 GROUNDS MAINTENANCE

2.1.1.1. Main Site:

| | |
|--------------|----------|
| Parking Lot | 2,580 SY |
| Sidewalks | 320 SY |
| Fence Lines | 2,830 LF |
| Acreage | 12 AC |
| Road (paved) | 1,417 SY |

TECHNICAL EXHIBIT 2
WORKLOAD ESTIMATE
DARE COUNTY B&G RANGE

| <u>Operation</u> | <u>Estimated Operations/Yr</u> | <u>Estimated Hours/Yr</u> |
|---|---------------------------------------|----------------------------------|
| Range Operations | 260 | 3640 |
| Range Maintenance | 104 | 1040 |
| Communications Equipment Maintenance | 10 | 80 |
| Range Clearance | 6 | 120 |
| Grounds Maintenance | 100 | 800 |
| Custodial Services | 104 | 208 |
| Administrative Duties | 260 | 260 |
| Overtime | 40 | 280 |
| Inspections | 24 | 48 |

TECHNICAL EXHIBIT 2 WORKLOAD ESTIMATE DARE COUNTY ECR

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workloads may vary in accordance with Air Combat Command's training requirements and exercises. The quantities of output to be furnished by the contractor as stated herein are estimates and as such are subject to variations.

2. OPERATIONS

2.1. Routine Operations

Assigned Electronic Combat (EC), generators and communications equipment shall be operated on a routine basis 0900-1900(Mon-Thur), and 0900-1400 Friday, year round (federal holidays excepted). There is an upcoming requirement to supply one EC emitter for two Saturdays a month. EC equipment is transportable and will be relocated depending on mission requirements. Operating locations are both on range and at selected locations within a 50 mile radius of the range.

2.2. Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instruction. All sites are susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under the appropriate CLIN.

3. MAINTENANCE

3.1. The contractor may perform routine on-equipment maintenance during the vulnerability period, provided there is sufficient time to accomplish the maintenance and return the equipment to operational status before the next scheduled operations activity.

4. DARE COUNTY EC RANGE

4.1. FACILITIES

Ops Building # T001 - 1000 SF

Crew Building #T002 - 1200 SF

TRTG Building #? - 2000 SF (Still under construction)

TECHNICAL EXHIBIT 2 WORKLOAD ESTIMATE GRAND BAY B&G RANGE

1. SPECIFIC WORKLOAD ESTIMATES

The specific workload estimate for the contract period is:

1.1. RANGE OPERATIONS

The workload estimate for the Range Control Officer and scoring duties is 8,720 hours per year. The hours of operation will fluctuate with the flying schedule.

1.2. RANGE MAINTENANCE

The workload estimate for the Range maintenance is 2,087 hours per year.

1.3. COMMUNICATIONS-EQUIPMENT MAINTENANCE

The workload estimate for the Range communications-equipment maintenance is 75 hours per year.

1.4. RANGE CLEARANCE

The workload estimate for assisting the Explosive Ordnance Disposal Flight of the 347th Civil Engineer Squadron to clear the Range of bomb and target residue is 800 hours per year. The clearance is required after the Range has been used 50 days or two months, whichever occurs first; annually; and daily after low-angle strafing.

1.5. GRASS CUTTING

The workload estimate for all grounds maintenance/grass cutting is 700 hours per year.

1.5.1. Semi-Improved Grounds

1.5.1.1. Field mowing shall be accomplished at three locations (see map, Technical Exhibit 3).

1.5.1.2. Location I

Entry from Shiner Pond Road at Winnersville Lane and Spectrum Road, around ponds. Cut 12 times per year.

1.5.1.3. Location II

Bemiss Field, north/south runway, and east/west runway. Cut 3 times per year.

1.5.1.4. Location III

Impact area.

1.5.2. IMPROVED GROUNDS MAINTENANCE

1.5.2.1. Lawn mowing shall be accomplished in the visitors viewing area including the viewing stand berm, cut 16 times a year. Cutting height no less than 1-1/2 inches and no more than 4 inches.

1.5.3. FOLIAGE CONTROL

Option 1: The workload estimate for foliage control is 180 hours per cutting, with motorized track vehicle and mechanical cutter head.

Option 2: The workload estimate for aerial herbicide by helicopter is \$120 per acre including helicopter and herbicide. See Grand Bay Annex, para 5.2.3.1.9.3.

1.6. CUSTODIAL SERVICES

The workload estimate for custodial services is 375 hours per year. Custodial services will include maintaining the visitors' latrine at all times.

1.7. ADMINISTRATIVE DUTIES

The workload estimate for administrative duties is 350 hours per year.

1.8. OVERTIME

The workload estimate for overtime should be no more than 200 hours per year. These hours will vary according to the flying schedule, weather, projected work, TDYs, exercises, etc.

1.9. INSPECTIONS

The workload estimate for inspections is 240 hours per year.

1.10. PAINT TARGET VEHICLES

Contractor shall paint a minimum of 20 target vehicles. Estimate 75 gallons of water based paint, estimate 160 man-hours.

1.11. MOVE TARGET VEHICLES

The contractor shall move 10 target vehicles per year per Grand Bay Annex, para 5.2.1.2.2.

2. TOTAL ESTIMATED WORKLOAD HOURS PER YEAR

The annual total estimated hours for this contract is 13,887. The workload varies with the flying schedule, weather, and deployments.

3. EMERGENCY OR SPECIAL EVENT WORKLOAD ESTIMATES

There are special events during the year: Squadron Turkey Shoots, Distinguished Visitors Tours,

TECHNICAL EXHIBIT 2 WORKLOAD ESTIMATE GRANITE PEAK (DUGWAY) ECR, UT

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workload may vary in accordance with Air Combat Command's training requirements and Electronic Combat Range Sites. The quantities of output to be furnished by the contractor as stated herein are estimates and as such are subject to variations.

1.1. OPERATIONS

Hours of operation are one hour prior to the published vulnerability to close of the vulnerability period each day, Monday through Thursday. On Friday, the hours of operation are one hour prior to the published vulnerability to 1800 hours local. The site is subject to closure during federal holidays and Good Friday. Vulnerability hours for Granite Peak, UT are 12 hours per day, Monday through Thursday and from the beginning of vulnerability to 1800L on Fridays. Vulnerability start time may vary on a quarterly basis.

1.1.2. Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instructions. The site is susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under appropriate CLIN.

2. GRANITE PEAK

2.1. FACILITIES

Porta Camp (10) - 5880 SF

2.1.1. GROUNDS MAINTENANCE

2.1.2.1. Main Site:

| | |
|---------------|------------------------|
| Parking Lot | 250 SY |
| Sidewalks | N/A |
| Fence Lines | N/A |
| Acreage | N/A |
| Roads (paved) | N/A (Government Roads) |

2.1.2.2. Mini-MUTES Sites (10):

TECHNICAL EXHIBIT 2 WORKLOAD ESTIMATE HARRISON (EVERTON) ECR, AR

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workloads may vary in accordance with Air Combat Command's training requirements and Electronic Combat Range Sites. The quantities of output to be furnished by the contractor as stated herein are estimates and as such are subject to variations.

1.1 . OPERATIONS

1.1.1. Routine Operations

Hours of operation are at least one hour prior to the published vulnerability period through the close of the vulnerability period for each day, Monday through Friday and excluding federal holidays. The vulnerability will be a 12-hour window and may slide from quarter to quarter.

1.1.2. Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instructions. The site is susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under appropriate CLIN.

2. HARRISON

2.1. FACILITIES

| Porta Camps (9) = 6012 SF | Maintenance Vans (6) | Out Buildings (4) =840 SF |
|----------------------------------|-----------------------------|----------------------------------|
| 40' Power Dist/Storage | 6011209 MLQ-T4 | |
| 50' Administration | 60L1448 MSR-T4 | |
| 50' OPS / QA, Library | 60L1444 TPQ-43 | |
| 50' Job Control /Supply | 60L1458 MST-T1A | |
| 50' TPQ-43/Trains/RIIS | 60L1208 MST-T1V | |
| 50' COMM/MUTES/JAMMER | 62L1189 TPQ-32 (Storage) | |
| 40' Latrine/Break Rooms | | |
| 40' Briefing Room | | |
| 50' COMM/OPS | | |

2.1.1 GROUND MAINTENANCE

2.1.1.2. Mini-MUTES (3)

| | |
|-------------|------------------------|
| Fence Lines | - 1,800 LF Chain Link |
| | - 9,600 LF Barbed Wire |
| Acreage | - 44 AC |
| Road | - 1,215 SY |

**TECHNICAL EXHIBIT 2
WORKLOAD ESTIMATE
HOLLOMAN B&G RANGE**

This is the Estimated Workload for the contract period.

| | |
|--|--------------------|
| Moving, Replacing Target Vehicles | 75 per year |
| Painting (approximately 800 gallons water based paint) | |
| Tire/vehicles on conventional and nuclear circles | Every 2 clearances |
| Tactical Targets (200 ea) | Once a Year |
| Strafe Poles (8 ea) Outriggers (8) | Twice a Year |
| 600 Poles (8 ea) | Once a Year |
| Helicopter pad (1 ea) | Once a Year |
| Mock Tanks (8 ea) | Twice a Year |
| Road Maintenance | |
| Approximately Improved 2 miles | As Required |
| Approximately Unimproved 90 miles | As Required |
| Range Clearance/Maintenance | |
| Class A Range | Quarterly |
| Class C Range | |
| Red Rio | Twice a Year |
| McGregor | Annually |
| Maverick Target | Twice a Year |
| Strafe Pits | Weekly |
| Inspections | |
| Strafe Pits and Associated Equipment | Daily |
| Operation | |
| Class A Range | As Scheduled |
| General Housekeeping | Daily |
| Comptroller | Daily |

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| | |
|---|--------------|
| Target Build-up (approximately 8 mock tanks) | Twice a Year |
| Build Strafe Panels (8 per year) | As Required |
| Replace Strafe Poles (5 per Year) | As Required |
| Softening Despectralizing Removing Radium Dials (75 Vehicles) | As Required |

TECHNICAL EXHIBIT 2 WORKLOAD ESTIMATE LA JUNTA ECR, CO

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workloads may vary in accordance with Air Combat Command's training requirements and Electronic Combat Range Sites. The quantities of output to be furnished by the contractor as stated herein are estimates and such are subject to variations.

1.1 . OPERATIONS

1.1.1. Routine Operations

Hours of operation are at least one hour prior to the published vulnerability period through the close of the vulnerability period for each day, Monday through Friday and excluding federal holidays. The vulnerability will be a 12-hour window and may slide from quarter to quarter.

1.1.2 Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instruction. The site is susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under the appropriate CLIN.

2. LA JUNTA

2.1. FACILITIES

| | |
|-----------------|--------------------------|
| Ops Building | 10,152 SF |
| Porta Camps (3) | 2,088 SF (Main Location) |
| Porta Camp (1) | 480 SF (Jammer Location) |
| Building 101 | 366 SF |
| Building 102 | 1,056 SF |
| Building 103 | 312 SF |
| Building 106 | 100 SF |

2.11 GROUNDS MAINTENANCE

2.1.1.1. Main Site

| | |
|-------------|----------|
| Parking Lot | 657 SY |
| Sidewalks | 118 SY |
| Fence Lines | 3,272 SY |

TECHNICAL EXHIBIT 2
WORKLOAD ESTIMATE
MELROSE B&G RANGE

1. NORMAL WORKLOAD. Projected normal annual workload includes all on-site range operations and maintenance broken down into the following categories:

Operation

| | |
|----------------|-------|
| Inspections | Daily |
| RCO operations | Daily |
| TOSS Scoring | Daily |

Maintenance

| | |
|-------------------------------------|------------|
| Facility Maintenance | Daily |
| Inspections | Annual |
| Housekeeping | Weekly |
| Pavements, Grounds, and Fences | Daily |
| Decontamination/Disposal | Weekly |
| Partial, 3 days required | Bi-monthly |
| Complete, 1 week required | Annual |
| Comprehensive, 1 month required | 5 Year |
| Strafe Pits | Weekly |
| Target Maintenance and Construction | Daily |
| Class I Systems Maintenance | Daily |
| Class II Systems Maintenance | Daily |

Administration

Solicitation No.
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Emergency Services

Crash Notification

3 Year

Fire Suppression (Seasonal Oct - April)

Weekly

TECHNICAL EXHIBIT 2

WORKLOAD ESTIMATE

MELROSE ECR

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workloads may vary in accordance with Air Combat Command's training requirements and exercises. The quantities of output to be furnished by the contractor as stated herein are estimates and as such are subject to variations.

1.1. OPERATIONS

1.1.1. Routine Operations

Site scoring and communications equipment shall be operated on a routine basis 5 days per week year round (federal holidays excepted). Hours of operation are one hour prior to vulnerability start to the close of the vulnerability period each day Monday through Friday. Vulnerability start time for Melrose ECR is 0800 hrs. and ends at 2200 hrs. Vulnerability start time may vary on a quarterly basis.

1.1.2. Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instruction. Melrose ECR is susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under the appropriate CLIN.

1.2. MAINTENANCE

1.2.1. The contractor may perform routine on-equipment maintenance during the vulnerability period, provided there is sufficient time to accomplish the maintenance and return the equipment to operational status before the next scheduled operations activity.

2.1. FACILITIES

| | |
|------------------------|---------------------|
| Bldg 3160 | 3,636 SF |
| Bldg 3161 | 1,780 SF |
| Bldg 3125 | 1,450 SF |
| FSQ-22 Bldg | 4,620 SF (2 floors) |
| Storage Shed #1 (East) | 317 SF |
| Storage Shed #2 (West) | 317 SF |

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2.1.1.2. Mini-MUTES sites (10 sites)

Fence Lines

6,000 LF Chain Link

20,000 LF Barbed Wire

Acreage - 60 AC

TECHNICAL EXHIBIT 2
WORKLOAD ESTIMATE
POINSETT B&G RANGE

| <u>OPERATION</u> | <u>ESTIMATED OPERATIONS/YR</u> |
|---|---------------------------------------|
| Admin/Communications | 260 |
| Tower, Spotting, Scoring | 450 |
| Strafe Target Set-up/Berm Maintenance/Scoring Test | 450 |
| Strafe Pit Maintenance (Plowing) [Wk or 6 Days] | 75 |
| Clear Strafe Run-In and Foul Lines | 2 |
| Bomb Circle/Target Maintenance | 2 |
| Clear T-Bar Lights and Circle Lights | 12 |
| Repair/Replace Target Vehicle [As Required/Monthly] | 50 |
| Range Clearance | 12 |
| Painting Strafe Targets, Tires [As Needed] | 25 |
| <u>RANGE MAINTENANCE</u> | |
| Disk All Roads/Firebreaks | 2 |
| Bushhog All Open Fields [60 Days] | 4 |
| Disk All Lead-In Lines | 4 |
| Cut Grass in Compound Area [As Needed/2 Wks] | 12 |
| Clear Fence Line [10 Mile Interior/21 Mile Perimeter] | 1 |
| <u>BUILDING MAINTENANCE</u> | |
| Sweep Floors [Daily] | 260 |
| Empty Trash [Daily] | 260 |
| Vacuum Carpets [Weekly] | 52 |
| Damp Mop Tile Floors [Weekly] | 52 |
| Clean Plumbing Fixtures [Weekly] | 52 |
| Strip/Re-Wax Tile [Bi-Annually] | 2 |
| Clean Windows [Monthly] | 12 |
| Spot Clean Walls and Partitions [As Needed/Monthly] | 12 |
| Painting Facilities [As Required] | 1 |

TECHNICAL EXHIBIT 2 WORKLOAD ESTIMATE POINSETT ECR

1. GENERAL

This exhibit reflects the estimated (projected) workload for the contract period. The actual workloads may vary in accordance with Air Combat Command's training requirements and exercises. The quantities of output to be furnished by the contractor as stated herein are estimates and as such are subject to variations.

1.1. OPERATIONS

1.1.1. Routine Operations

Site scoring and communications equipment shall be operated on a routine basis 15 hours per day, 4 days per week (Mon-Thur), and 5 hours on Friday, year round (federal holidays excepted).

1.1.2. Special Mission and Exercise Operations

As directed by the Contracting Officer and performed in accordance with specific letters of instruction. All sites are susceptible for Special Missions and Exercises. Cost reimbursement for overtime operations shall be made under the appropriate CLIN.

1.1.3. Temporary Duty Operations

As directed by the contracting officer, the contractor shall support temporary duty operations as follows:

- Pope AFB, NC
 - Equipment: two TRTGs, two SMOKEY SAM launchers, two Nitnoys
 - Frequency: two deployments per year
 - Estimated length: 3-5 days/per deployment
 - Manpower requirement: 5-6 people/deployment
- Eglin AFB, FL
 - Equipment: two TRTGs, two SMOKEY SAM launchers, two Nitnoys
 - Frequency: one deployment per year
 - Estimated length: two weeks/deployment
 - Manpower requirement: 5-6 people/deployment

1.2. MAINTENANCE

2. POINSETT EC RANGE FACILITIES/MAINTENANCE

2.1. FACILITIES

Ops Building # 40014 - 1,500 SF
Admin Building # 40015 - 3,500 SF
TRTG Building # 40021 - 1,200 SF

2.1.1. GROUNDS MAINTENANCE

2.1.1.1. Main Site

Parking Lot - 657 SY
Sidewalks - 118 SY
Fence Lines - 2872 LF
Acreage - 8 AC
Road (paved) – Currently provided for on Air to Ground Contract

2.1.1.2. Mini-MUTES (5 sites)

Fence Lines
3750 LF Chain Link
17,600 LF Barbed Wire
Acreage - 80 AC
Road - 5600 SY (approx)

**TECHNICAL EXHIBIT 2
WORK LOAD ESTIMATE
SAYLOR CREEK B&G RANGE**

Operations TOSS, RCO, Range Maintenance

Twelve hours per day, 60 hours per week, 240 hours per month 2880 hours annually, normal operations. Night operations: 20 percent annually. Day operations: 80 percent annually. Extended hour operations normally 20 hours per week, 80 hours per month 960 hours annually. Weekend work shall be required a minimum of two weekends per month.

Contract Manager

12 hours per day, 60 hours per week, 240 hours per month, 2880 hours per year. Hours to be consistent with the scheduled operations hours, Monday through Friday.

Preventative Maintenance FSQ-4, and wind indicator, 28 day, 6 hours & 4 hours etc., see attached listing.

Preventative Maintenance Barometer 180 day, 72 hours, etc., see attached listing.

Preventative Maintenance Radio set AN/GRC171 annual 4 hours.

Preventative Maintenance Acoustical Score 48 days, 2 hours, see attached listing.

Emergency/Priority Work

Contractor is subject to extended hour operations, normally twice a month, to respond for exercise flying operations, generator power support, facility maintenance etc.

Listing: Preventative Maintenance Inspections

TOSS & WIND SET:

| INSPECTION | DUE | C/W | MEMO |
|-------------------|------------|------------|--------------------------------|
| 28 day | 22 Jan | 6 hour | 4 hour = 84 day insp. wind set |
| 28 day | 19 Feb | 6 hour | |
| 28 day | 19 Mar | 6 hour | |
| 182 day | 2 Apr | 10 hour | 4 hour = 84 day insp. wind set |
| 28 day | 16 Apr | 6 hour | |

Table 5-1

Barometer: S/N 67 P/N ML658GM Acct # 964N
As required

6 mo. TMDE cal 16 Mar 93 72 hour
6 mo. TMDE cal 25 Sep 92 X

31M1-2GM-66WC-1

Radio Set, 171:
Annual 4 Oct 4 hour

31R2-2GRC171-6WC-1

Acoustiscore

Due to the infrequent use of the system, all inspections are complied with prior to initial use -
and on schedule thereafter for the duration of the seasonal requirement.

48 day as required 2 hour

33DA97-6-1 Table 5-1
43E7-7-9-1 Table 5-1

DAT-1 #1 22 Oct 93 ok ser # 018

\$7770.89 ND4 P/N 13747 NSN 6625-127-5771TA

DAT-1 #2 13 Dec 92 ser # 091

NOTE: TOSS and Acoustiscore have also, daily and weekly checks, which are normally
accomplished while in use.

Normal Work Load

The contractor will normally provide operations 12 hours per day, five days per week, exclusive
of weekends or federal holidays.

Special Events

The contractor shall assist in exercise operations as may be required. The contractor's services

Repair History

The following is a 12 month repair history of equipment in technical exhibits 5b, c, and d for the AN/FXQ-4 Television Ordnance Scoring System, the Acoustical Scoring System and the Wind Measurement System.

Repair History: The following is a 12 month repair history of the equipment in direct support of the Saylor Creek Air Force Bombing Range from Jan 96 through Jan 97.

ANFXQ-4

- Jan 19 Freeze frame cooling fan became noisy: Adjusted mounting hardware.
- Feb 8 System 2 lost video camera 4: Cleaned a bad power connector from the solar panel to the battery bank.
- Feb 26 System 1 would not respond to commands: Replaced a broken wire to the battery bank
- Mar 12 System 1 camera 2 found corrosion on circuit board: Replaced the board and resealed the decoder box.
- Apr 25 System 3 microwave transmitter oscillator become unstable: Ordered a new transmitter due in date of Oct 97, interim measure required daily adjustment of the microwave receiver to use the system. Dec 96 received and replaced the transmitter.
- Jul 31 System 2 camera site 4 would not respond to commands: Found damage from a lightning storm, replaced the decoder box, Dual Toned Multiple Frequency (DTMF) receiver and camera.
- Aug 02 System 2 camera had incorrect video level: Benched checked the camera and realigned.
- Sep 26 System 1, 40 watt VHF data transmitter inop: Replaced a bad molex power connector from the power supply.
- Oct 28 System 2 waveform monitor CRT becoming weak: Replaced the CRT and aligned.
- Dec 08 System 2 camera 4 would not respond to commands: Replaced a bad buffer board in the decoder box.
- Dec 09 All system cameras weak due to heavy cloud cover and lack of sunlight and late night scoring requirements: Replaced weak batteries and recharged the old batteries.
- Dec 11 Systems camera 2 site found a broken driven element on the camera VHF antenna: Replaced the antenna.
- Dec 12 System 2 camera 3 would not respond to commands: Replaced a bad DC to DC converter in the decoder box and resealed.
- Jan 11 System 1, VCR would not record: Replaced a bad passive video switch.
- Jan 13 System 1, The 14-inch monitor developed a horizontal stripe: Replaced a bad

WEATHER EQUIPMENT

- Feb/06/96 Digital altimeter trips the circuit breaker: Determined a commercial power surge caused the metal oxide varistor (m.o.v.) in the power supply to fire: Replaced the internal m.o.v.
- Jun/04/96 Wind measurement set power supply failed during a thunderstorm: Replaced the power supply.

Technical Exhibit 2

B&G Housekeeping Frequency Chart

Solicitation No.
F44650-99-R0002

Task Required

| | | | | | | | | | |
|---------------------------------------|-----------------------|-----------------------------------|------------------------|----------------|-------------------------------|---|--|------------------|----------------------------|
| SWEEP FLOORS/ VACUUM CARPETS | DAMP MOP FLOORS | CLEAN GREASE/ OIL SPILLS | SPOT CLEAN WALLS | EMPTY TRASH | STRIP AND WAX FLOORS | DUST ALL FIXTURES AND WAX FUNITURE | CLEAN ALL PLUMB- ING FIXTURES | CLEAN WINDOWS | BUFF FINISHED FLOORS |
|---------------------------------------|-----------------------|-----------------------------------|------------------------|----------------|-------------------------------|---|--|------------------|----------------------------|

BLDG/FREQ

| | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| OM/D/2W | OM/D | OM/AO | OM/4Y | OM/D | OM/4Y | OM/2M | OM/2W | OM/M | OM/2W |
| TM/2M | TM/4Y | TM/AO | | TM/AO | | | | | |
| T/2W | T/D | T/AO | T/4Y | T/D | T/4Y | T/2M | | T/4Y | T/2W |
| SB/2M | SB/4Y | SB/AO | | SB/AO | | | | SB/M | |

BUILDING CODES: OFFICE BUILDING/ MAINTENANCE BAY O/M OM
CODES

TARGET MAINTENANCE BUILDING INGS TM
TOWERS T
STORAGE BUILDINGS SB

FREQUENCY CODES: DAILY D
WEEKLY W
TWICE A WEEK 2W
MONTHLY M
TWICE A MONTH 2M
TWICE A YEAR 2Y
FOUR TIMES A YEAR 4Y
ONCE A YEAR A
AS THEY OCCUR AO

FREQUENCIES ARE MINIMUM REQUIREMENTS

Technical Exhibit 4 – CDRL

Solicitation No. F44650-99-R0002

CONTRACT DATA REQUIREMENT LIST

Form Approval OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|--|--|--------------|
| A. CONTRACT LINE ITEM NO.: X003 | | D. SYSTEM/ITEM.....: | |
| B. EXHIBIT A | | E. CONTRACT/PR NO.: | |
| C. CATEGORY.....: FNCL | | F. CONTRACTOR.....: | |
| 1. DATA ITEM NO.: A001 | | | |
| 2. TITLE OF DATA ITEM: Performance and Cost Report | | | |
| 3. SUBTITLE Performance and Cost Report | | | |
| 4. AUTHORITY DI-FNCL-80912 | | | |
| 5. CONTRACT REFERENCE: PWS Paragraph 1.1.6.2 | | | |
| 6. REQUIRING OFFICE HQ ACC/DORS | | 9. DIST. STATEMENT REQUIRED.: NA | |
| 7. DD250 REQ LT | | 10. FREQUENCY Monthly | |
| 8. APP CODE NA | | 11. AS OF DATE End of Month | |
| 14. DISTRIBUTION | | B. COPIES: | DRAFT |
| A. ADDRESSEES | | | FINAL |
| HQ ACC/DORS | | 0 | 1 |
| HQ ACC/ CONS | | 0 | 1 |
| | | 15. TOTAL: | 0 2 |

16. REMARKS:
 (4) Delete Block 10 of DD Form 1664 in its entirety And see paragraph 1.1.6.2.
 (13) Submit the 5th calendar day of each Month following the Initial Submission.

| | | | |
|------------------------------------|--|--------------------------------------|--------------|
| 17. PRICE GROUP: | | 18. ESTIMATED TOTAL PRICE : | |
| 1. DATA ITEM NO.: | | | |
| 2. TITLE OF DATA ITEM: | | | |
| 3. SUBTITLE : | | | |
| 4. AUTHORITY : | | | |
| 5. CONTRACT REFERENCE:: | | | |
| 6. REQUIRING OFFICE : | | 9. DIST. STATEMENT REQUIRED.: | |
| 7. DD250 REQ : | | 10. FREQUENCY : | |
| 8. APP CODE : | | 11. AS OF DATE : | |
| 14. DISTRIBUTION | | B. COPIES: | DRAFT |
| A. ADDRESSEES | | | FINAL |
| | | 15. TOTAL: | |

16. REMARKS:

| | | | |
|--------------------------------|--|--------------------------------------|--------------|
| 17. PRICE GROUP: | | 18. ESTIMATED TOTAL PRICE: | |
| 1. DATA ITEM NO.: | | | |
| 2. TITLE OF DATA ITEM : | | | |
| 3. SUBTITLE : | | | |
| 4. AUTHORITY.....: | | | |
| 5. CONTRACT REF.....: | | | |
| 6. REQUIRING OFFICE: | | 9. DIST. STATEMENT REQUIRED.: | |
| 7. DD250 REQ : | | 10. FREQUENCY : | |
| 8. APP CODE : | | 11. AS OF DATE : | |
| 14. DISTRIBUTION | | B. COPIES | DRAFT |
| A. ADDRESSEES | | | FINAL |
| | | 15. TOTAL: | |

16. REMARKS:

| | | | |
|-------------------------------|--|-----------------------------------|--|
| 17. PRICE GROUP: | | 18. ESTIMATED TOTAL PRICE: | |
| 1. DATA ITEM NO.: | | | |
| 2. TITLE OF DATA ITEM: | | | |

**TECHNICAL EXHIBIT 6
FOLIAGE CLEARANCE
DARE COUNTY B&G RANGE**

1.0. Foliage clearance services will be provided by the contractor. The contractor may elect to furnish the labor and equipment to accomplish this task or may obtain a subcontractor. Government furnished equipment may not be utilized for foliage clearance.

2.0. The Range Contract Manager will be the point of contact and interface with the Air Force and forestry service on all scheduling coordination to accomplish foliage clearance on a five-year cycle. Area to be cut in a given year will be determined by joint coordination between the contract manager and the QAE. Area to be cleared will not exceed 600 acres per year without modification to this contract..

3.0. The contractor will provide a yearly schedule to show milestones of when foliage clearance will be accomplished.

4.0. The areas of foliage clearance include the following:

4.1. Nuclear Lead-In

The area within the existing canals commencing at the west perimeter road (4000 feet west of the nuclear target) to 15000 feet west of the nuclear target. (Approximately 126 acres) See paragraph 5.6.5.

4.2. Strafe Foul Lines

Three 200-foot wide clear areas, each 4000 feet long. (Approximately 55 acres) See paragraph 5.6.4.1.9.

4.3. Strafe Lead-In

Six 100-foot wide clear areas, each 1600 feet long. (Approximately 22 acres) See paragraph 5.6.4.1.8.

4.4. Conventional Lead-In

Two 100-foot wide clear areas, each 1500 feet long. (Approximately 7 acres) See paragraph 5.6.6.3.

4.5. Conventional Target Areas

Two 100-foot wide clear areas, each 1500 feet long. (Approximately 7 acres) See paragraph 5.6.6.3.

4.8. South Approach

Approximately 335 acres. Does not include strafe foul lines.

4.9. Conventional Bomb Targets

Area between 150-foot and 500-foot radius canals surrounding two conventional bomb targets (Approximately 30 acres). See paragraph 5.4.3.4.3.3.

4.10. Nuclear Target Area

Area within 2000-foot radius circle of the nuclear target (Approximately 288 acres). See paragraph 5.6.5.4.

4.11. Runway Area

Although included in the right tactical target area for foliage cutting, this area, 100 feet wide by 2440 feet long, may require cutting up to twice yearly. Cutting of this area will not be considered when calculating annual foliage cutting acreage.

5.0. The allowable vegetation height after foliage clearing is as follows:

- Nuclear Lead-In - 24 inches
- Foul Lines - 18 inches
- Target Areas - 24 inches
- Strafe Lead-In - 18 inches
- South Approach - 24 inches
- Bomb Target Areas - 12 inches
- Runway Area - 12 inches

6.0. Large trees or bushes may have to have their limbs cut to reduce the height of the limb spread after the tree or bush has been cut. The contractor shall not cut the vegetation below the 4-inch level and should minimize the disruption of the vegetation's root structure. Clearing may be done by any method appropriate to the situation.

7.0. The contractor needs to be aware that the areas to be cleared are swampy wet peat covered areas. Conventional clearing equipment and methods may not be suitable. All areas have been cut within the last five years.

8.0. Burning as a method of clearing is not permitted.

9.0. Only chemical defoliants approved in writing by the SJAFB Environmental Control Officer

TECHNICAL EXHIBIT 6 FOLIAGE CLEARANCE POINSETT B&G RANGE

The contractor shall ensure all roads and firebreaks are at least 10 feet wide and all foliage along the edges shall be kept cut to a height of 10 feet to prevent damage to personnel and equipment. Contractor shall ensure all roads and firebreaks are at least 10 feet wide and all foliage along the edges shall be kept cut to a height of 10 feet to prevent damage to personnel and equipment.

Open Fields

The contractor shall ensure open fields are bushed hogged every 60 days, at a minimum, during the growing season. Growing season is 1 April through 30 September.

Controlled Burning

The contractor shall accomplish controlled burning during the months of September and January. Areas to be burned shall be determined jointly by the QAE and the range contract manager. Areas that have Red Cockaded Woodpecker cavities shall not be burned by the contractor.

Strafe Target Lead-In Lines

The contractor shall maintain the four lead-in lines for the strafe pit. Each line is approximately 1600 feet long and 100 feet wide. The lines shall be cut to remove vegetation. Contractor shall disk lead in lines quarterly, at a minimum, beginning in the month of October. Disking may be required more often to prevent growth of vegetation and/or to present a good visual reference for aircraft during strafing runs.

Strafe Foul Lines

The contractor shall ensure that the 2000' and 3000' foul lines remain clear of any vegetation extending above the lines of painted tires. Vegetation shall be removed from around and inside the line of tires at least once every six months beginning 1 October of each year.

4000 Foot Foul Line

The contractor shall disk at least once every six months, more often if required, beginning 1 October of each year.

Compound Area

The contractor shall cut grass and trim shrubbery to a minimum of 100 feet from buildings and fuel storage area during the growing season (1 Apr - 30 Sep). Grass shall be cut to a height of no

T-Bar and Conventional Bomb Circle Lights

The contractor shall ensure that T-bar lights and conventional bomb circle lights remain free of vegetation for a distance of 5 feet around each light. This shall be accomplished as often as necessary to maintain the 5 feet clearance.

Flag Pole, Lower and Main Towers and Viewing Stand

The contractor shall cut grass and trim shrubbery as often as necessary to maintain a neat and orderly appearance.

Conventional Bomb Circle

The contractor shall disk as often as necessary to prevent vegetation growth in the cleared area. This area is approximately 400 feet in radius from the center of the circle.

Perimeter and Interior Fence Line

The contractor shall disk as often as necessary to prevent vegetation growth in the cleared area.

**TECHNICAL EXHIBIT 6
UNIQUE RANGE MAINTENANCE
SAYLOR CREEK B&G RANGE**

1. DECONTAMINATION

1.1. Decontamination will be scheduled for the first and third Fridays of each month and annually as required by Public Land Order 4902 as amended, and AFI 13-212. Explosive Ordnance Disposal (EOD) will coordinate with the contractor for final arrangements. EOD will provide EOD personnel as required for briefing, safety, and inspection of munitions. EOD will coordinate with the QAE the day prior to any decontamination and/or disposal operation to ensure no scheduling conflicts exist.

1.2. Decontamination Procedures

1.2.1. EOD will brief all personnel involved in decontamination on safety and procedures prior to start of cleanup. This must be documented annually.

1.2.2. EOD will inspect and mark munitions residue in affected areas for safety and inert status prior to cleanup.

1.2.3. EOD personnel will pick up and transport inert munitions residue to the munitions bins for disposal/recycling at the north tower complex.

1.2.4. Contractor personnel will provide fire suppression equipment and operators, as necessary, for fire protection.

1.2.5. Contract personnel with EOD will ensure all target areas are despectralized for laser operations during EOD clearance activities.

1.2.6. Munitions and target residue burial will only occur at sites designated on MHAFB site chart R-3, available by request through the base real property office.

1.2.7. Personnel will not handle any munitions residue except expended small arms and 20mm/30mm TP ammunition until inspected and marked by EOD personnel for inert/empty status.

1.3. Disposition of Recyclable Ordnance and Target Residue

1.3.3. Munitions / munitions residue recovered for recycling will be picked up by contract services as scheduled or as requested by the Quality Assurance personnel.

1.3.4. EOD, DRMO and QAE personnel will coordinate and direct all recycling efforts on range on the dates the materials are picked up and removed for disposition.

1.4. Clearing Requirements

1.4.1. Clearing will be accomplished IAW Public Land Order 4902 and AFI 13-212.

1.4.2. Designated high use targets will be cleared to a 500-foot radius on a monthly basis.

1.4.3. The entire impact area (that portion of the range enclosed by the perimeter fence) will be cleared annually by EOD, contractor personnel and wing operations personnel of all munitions residue during the period scheduled.

1.5. Safety Precautions

1.5.1. Flying operations will be suspended over the affected portion of the range during decontamination operations. This will be confirmed with the RCO or command post. Work parties will maintain radio contact with the tower, main building, or base.

1.6. Recovery, Certification, Security, and Accountability of Scrap Metal

1.6.1. Collection of Scrap Metals

1.6.1.1. Collection will be conducted during the monthly and annual decontamination.

1.6.1.2. EOD will inspect and certify which ordnance is inert/empty.

1.6.1.3. Drivers will receive copy #2 of DD Form 1348-1 from DRMO to document weight and delivery.

1.6.1.4. DD Form 1348-1 must contain a certification on the form as per T.O. 11A-1-60, Section VII.

1.6.1.5. A complete audit trail must be maintained.

TECHNICAL EXHIBIT 8
ROUTE INTEGRATION INSTRUMENTATION SYSTEM (RIIS)
SHELTERS

| <u>S/N</u> | <u>LOCATION</u> | <u>STATUS</u> |
|-------------------|------------------------|----------------------|
| 01 | OL-D, Colony WY | |
| 02 | Melrose ECR, NM | Inactive |
| 03 | Melrose ECR, NM | |
| 04 | OL-D, Colony WY | Inactive |
| 05 | OL-A, Granite Peak UT | |
| 06 | Poinsett ECR, SC | |
| 07 | OL-A, Granite Peak UT | Inactive |
| 08 | OL-C, Everton AR | |
| 09 | Saylor Creek Range | |
| 10 | Melrose ECR, NM | Inactive |
| 11 | 917 OSS, Barksdale AFB | |
| 12 | OL-B, La Junta, CO | |

INTEGRATED TACTICAL ASSESSMENT STATION (ITAS) LOCATIONS

| <u>S/N</u> | <u>UNIT</u> | <u>LOCATION</u> |
|-------------------|----------------------------|------------------------|
| 01 | 20 BS | Barksdale AFB LA |
| 02 | 917 OSS | Barksdale AFB LA |
| 03 | 11 BS | Barksdale AFB LA |
| 04 | 23 BS | Minot AFB ND |
| 05 | 9 BS | Dyess AFB TX |
| 06 | 28 BS | Dyess AFB TX |
| 07 | 37 BS | Ellsworth AFB SD |
| 08 | B-52 Weapons School, Det 5 | Barksdale AFB LA |
| 09 | B-1 Weapons School, Det 1 | Ellsworth AFB SD |
| 10 | 34 BS | Ellsworth AFB SD |
| 11 | RMO | Nellis AFB NV |
| 12 | - | Kirtland AFB NM |
| 13 | 266 RANS/IDANG | Mt Home AFB ID |

**Technical Exhibit 7
Government Provided Vehicles**

Solicitation No.
F44650-99-R0002

| RANGE | VEHICLE | ID NUMBER | TYPE | REMARKS |
|-----------------|--------------------------------------|------------------|-------------|--|
| Poinsett | Contract Start Date: 1 Oct 03 | | | |
| O&M | Road Grader | 715A1317406032 | | Grading roads, and maintaining fire breaks |
| O&M | JD 450 Dozer | 90D591 | D569 | Maintaining firebreaks |
| O&M | Fork Lift | MW2OB | | Replace targets, and EOD support |
| O&M | Beach Comber | 90D13 | D765 | Maintaining strafe beds |
| | | | | |
| Poinsett | Contract Start Date: 1 Apr 00 | | | |
| EC | Ford L-8000 | 92B2938 | B313 | Mini-MUTES Replacement cost \$60,390 |
| EC | Ford L-8000 | 92B2935 | B313 | Mini-MUTES Replacement cost \$60,390 |
| EC | Pickup, 6 pax 4x4 | 88B9799 | B222 | |
| EC | Pickup, 6 pax 4x4 | 94B600 | B222 | |
| | | | | |
| Melrose | Contract Start Date: 1 Apr 01 | | | |
| O&M | TRAC FTRACD SZ T7 | 84D1547 | D569 | Bulldozer (Target and Road Maintenance) |
| O&M | Road Grader | 80D540 | D652 | Target and Road Maintenance |
| | | | | |
| Melrose | Contract Start Date: 1 Apr 00 | | | |
| EC | Ford L-8000 | 92B2927 | B313 | Mini-MUTES Replacement cost \$60,390 |
| EC | Ford L-8000 | 92B2928 | B313 | Mini-MUTES Replacement cost \$60,390 |
| EC | Ford L-8000 | 92B2936 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | | | | |

**Technical Exhibit 7
Government Provided Vehicles**

Solicitation No.
F44650-99-R0002

| RANGE | VEHICLE | ID NUMBER | TYPE | REMARKS |
|--|--------------------------------------|------------------|-------------|---|
| Dare Co | Contract Start Date: 1 Apr 00 | | | |
| No Vehicles being Transferred | | | | |
| | | | | |
| Saylor Creek | Contract Start Date: 1 Feb 03 | | | |
| No GFE vehicles currently provided to the contractor | | | | |
| | | | | |
| Holloman | Contract Start Date: 1 Oct 01 | | | |
| No GFE vehicles currently in use by contractor | | | | |
| | | | | |
| Grand Bay | Contract Start Date: 1 Oct 00 | | | |
| No GFE vehicles currently in use by contractor | | | | |
| | | | | |
| Avon Park | Contract Start Date: 1 Oct 03 | | | |
| VT | Beachcomber | 85D0314 | D765 | Strafe pit maintenance |
| VT | Beachcomber | 85D0315 | D765 | Strafe pit maintenance |
| VT | Trac IW235 | 83D0398 | D562 | Strafe pit maintenance |
| ROO | Trk, 1028 | 85K3499 | K197 | QAE/EW, (Smokey SAM Support) |
| ROO | Trk,6Pax | 91B1847 | B217 | Ground Operations |
| ROO | Suburban | 85B7529 | B190 | Radio Communications Maintenance |
| ROO | Panel Van | 89B1064 | B168 | Ground Operations, Smokey Sam Spt Vehicle |
| | | | | |
| ESS OL-A | Contract Start Date: 1 Oct 99 | | | |
| Granite Pk | Ford L-8000 | 91B1764 | B313 | Mini-MUTES Replacement cost \$60,390 |
| Dugway | Ford L-8000 | 92B2926 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2932 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2933 | B313 | Mini-MUTES Replacement cost \$60,390 |

**Technical Exhibit 7
Government Provided Vehicles**

Solicitation No.
F44650-99-R0002

| RANGE | VEHICLE | ID NUMBER | TYPE | REMARKS |
|----------------------|--------------------------------------|------------------|-------------|--------------------------------------|
| ESS OL-B | Contract Start Date: 1 Oct 99 | | | |
| LaJunta | Ford L-8000 | 91B1767 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 91B1763 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2929 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | | | | |
| ESS OL-C | Contract Start Date: 1 Oct 99 | | | |
| Harrison | Ford L-8000 | 92B2934 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2930 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2937 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | | | | |
| ESS OL-D | Contract Start Date: 1 Oct 99 | | | |
| Belle Fourche | Ford L-8000 | 91B3105 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 91B3103 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2925 | B313 | Mini-MUTES Replacement cost \$60,390 |
| | Ford L-8000 | 92B2924 | B313 | Mini-MUTES Replacement cost \$60,390 |